

Quotations are invited for the purchase of a **Partciel Image Velocimetry (PIV) System** for simultaneous measurement of **velocity field** and **bubble size distribution** in a **two-phase (gas-liquid) bubbly flow**. The application area is electrolysis/boiling/condensation of water. The detail requirement is furnished below:

1. Laser: Nd-Yag dual cavity, 2×145mJ, 532nm or equivalent
2. Optics for laser sheet and volumetric illumination: to be supplied with adjustable focus and divergence
3. Camera: 12bit CCD, 5MP or higher, minimum pixel size: 4µm×4µm or smaller, 10fps minimum at maximum resolution
4. Lens mount: F
5. Lens to be supplied: No
6. Seeding particles (for application in water) for PIV: to be supplied
7. Calibration and synchronization accessories: to be supplied
8. PCI card and software: to be supplied
9. Computer to be supplied: No
10. Cables and power supply: yes, power supply should conform the Indian standard

Terms and Conditions:

1. Prices should be on FOB and CIF (IIT Kanpur)
2. Prices should include installation and training cost, and all additional charges including freight, insurance etc.
3. Discount: maximum educational-discount to be provided
4. Warranty: no less than three (03) years after installation
5. Quotation validity: no less than 90 days from the date of quotation submission
6. Quotations should carry proper certifications such as, agency certificates, proprietary certificates, printed company profile, detail technical specification, user-list with phone numbers

Kindly mention "piv: IITK/ME/mkdas/2013/01" on sealed envelope carrying quotations and additional literature including technical details. **Technical and financial bids** need to be submitted separately. The envelopes, duly sealed, should reach the following address **on or before 06th September, 2013**. Any questions, technical or otherwise should be directed to the undersigned via phone, fax, and/or e-mail.

Malay K. Das
Assistant Professor
Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur UP 208016, India

Phone: +915122597359
Fax: +915122597408
E-mail: mkdas@iitk.ac.in